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(54) RADIOPROTECTIVE SHEET

(57) Abstract:

PROBLEM TO BE SOLVED: To improve the granularity of a photographic system without loosing the higher sensitivity of a radiosensitizing sheet by a rare earth activated alkali metal fluoride phosphor.

SOLUTION: A phosphor layer 2 consisting of a rare earth activated alkali earth metal fluoride halide phosphor is provided on a support body 1. As the phosphor particle constituting the phosphor layer 2, a circular rare earth activated alkali earth metal fluoride halide phosphor particle subjected to high- temperature thermal plasma treatment is used. A protecting film 3 is provided on the phosphor layer 2, whereby a radiation intensifying screen 4 is constituted.

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AN: PAT 1998-546028
TI: Radiation sensitising paper consisting of lamination of substrate, fluorescent layer and protecting layer
PN: JP10239498-A
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AB: The radiation sensitizing paper consists of lamination of a substrate, a fluorescent layer, a protecting layer.; USE - The radiation sensitizing paper is used for taking X-ray image.
ADVANTAGE - The granulating ability is improved without incurring of spoiling sensitivity of a sensitizing paper, caused by rare earth activated alkaline earth metal fluorohalogénated fluorescent matter.
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